

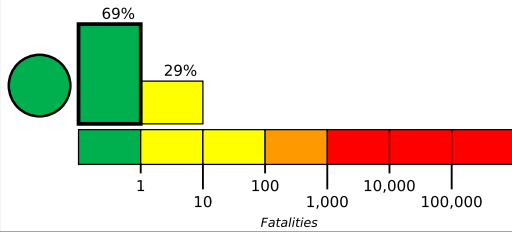
M 5.5, 11km SSE of Tallaboa, Puerto Rico

Origin Time: 2020-05-02 11:13:19 UTC (Sat 07:13:19 local)

Location: 17.8942° N 66.6794° W Depth: 4.3 km

Created: 2 hours, 27 minutes after earthquake

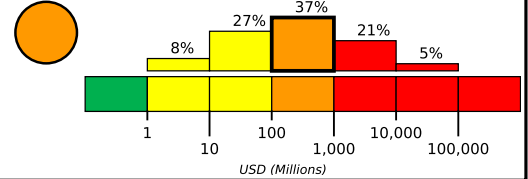
Estimated Fatalities



Orange alert for economic losses. Significant damage is likely and the disaster is potentially widespread. Estimated economic losses are less than 1% of GDP of Puerto Rico. Past events with this alert level have required a regional or national level response.

Green alert for shaking-related fatalities. There is a low likelihood of casualties.

Estimated Economic Losses

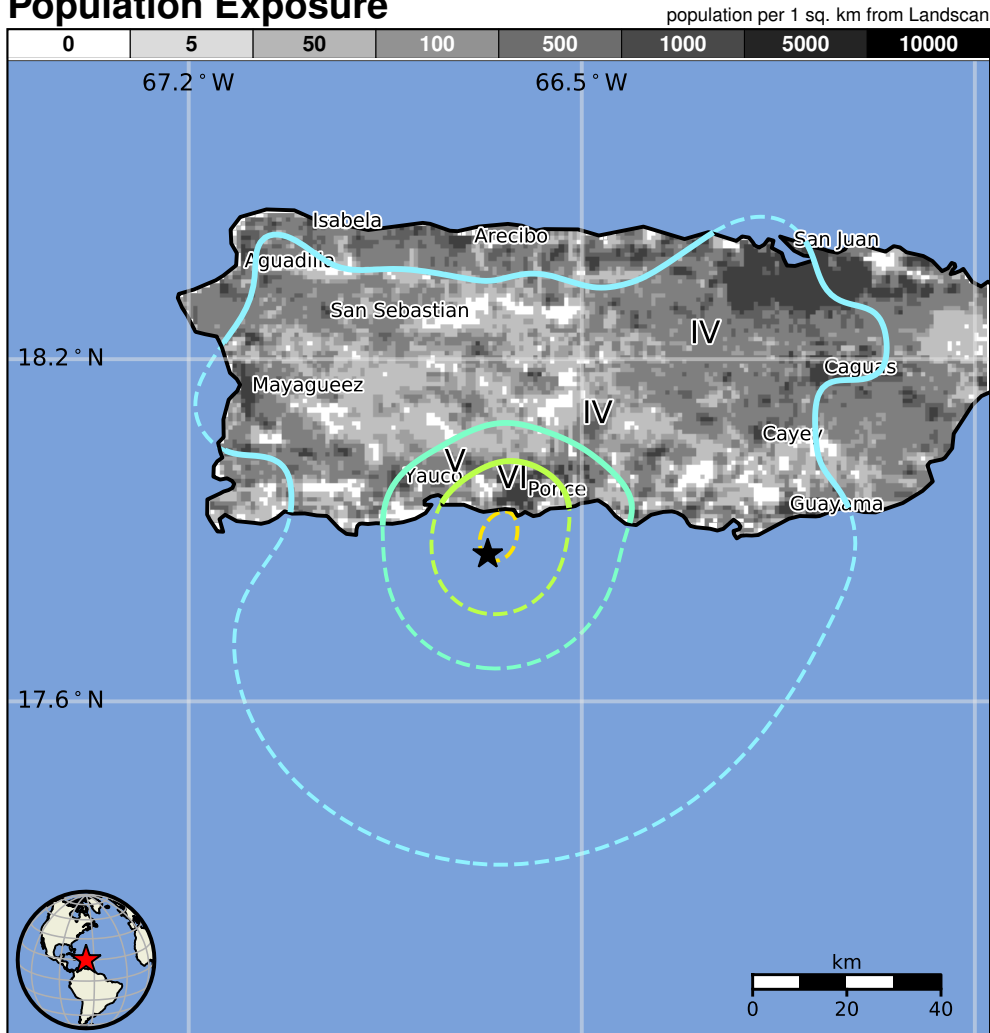


Estimated Population Exposed to Earthquake Shaking

| ESTIMATED POPULATION EXPOSURE (k=x1000) | | —* | 1,030k* | 1,941k | 120k | 71k | 62k | 0 | 0 | 0 |
|---|-----------------------|----------|---------|--------|----------|----------|-------------|------------|----------|----------|
| ESTIMATED MODIFIED MERCALLI INTENSITY | | I | II-III | IV | V | VI | VII | VIII | IX | X+ |
| PERCEIVED SHAKING | | Not felt | Weak | Light | Moderate | Strong | Very Strong | Severe | Violent | Extreme |
| POTENTIAL DAMAGE | Resistant Structures | None | None | None | V. Light | Light | Moderate | Mod./Heavy | Heavy | V. Heavy |
| | Vulnerable Structures | None | None | None | Light | Moderate | Mod./Heavy | Heavy | V. Heavy | V. Heavy |

*Estimated exposure only includes population within the map area.

Population Exposure



Structures

Overall, the population in this region resides in structures that are resistant to earthquake shaking, though vulnerable structures exist. The predominant vulnerable building types are mud wall and informal (metal, timber, GI etc.) construction.

Historical Earthquakes

| Date (UTC) | Dist. (km) | Mag. | Max MMI(#) | Shaking Deaths |
|------------|------------|------|------------|----------------|
| 1979-03-23 | 253 | 6.6 | VI(605k) | 0 |
| 1980-11-12 | 353 | 5.9 | VII(87k) | — |
| 1984-06-24 | 284 | 6.7 | VII(326k) | 5 |

Selected City Exposure

from GeoNames.org

| MMI | City | Population |
|-----|-----------------|-------------|
| VII | Ponce | 153k |
| VI | Tallaboa | 1k |
| VI | Capitanejo | 3k |
| VI | Aguilita | 5k |
| V | Coto Laurel | 4k |
| V | Tallaboa Alta | 2k |
| IV | Bayamon | 203k |
| IV | Guaynabo | 81k |
| IV | San Juan | 418k |
| IV | Caguas | 87k |
| IV | Carolina | 170k |

PAGER content is automatically generated, and only considers losses due to structural damage.

Limitations of input data, shaking estimates, and loss models may add uncertainty.

<https://earthquake.usgs.gov/earthquakes/eventpage/pr2020123010#pager>

bold cities appear on map.

(k = x1000)

Event ID: pr2020123010